

ABSTRACT

The present invention is directed to fast dry ambient temperature curable coating compositions especially suited for use in automotive refinish applications. A binder component of the two pack coating composition includes an epoxy resin having at least one acetoacetate functionality and at least one epoxy group, and one or more reactive components provided with at least two acetoacetate functionalities. Some of the suitable reactive components include structured reactive diluent, an acrylic polymer, a polyester, or a combination thereof. A crosslinking component of the coating composition includes polyamine, a blocked polyamine or a mixture thereof.

10 The present invention is further directed to a method of producing a coating on a substrate from the coating composition.

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4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100